

Atomic Mass ~~X~~ Charge  
 Atomic Number ~~X~~

~~X~~ = <sup>ex</sup> Fe = Ion

$$AM = \boxed{55 = p^+ + n^0}$$

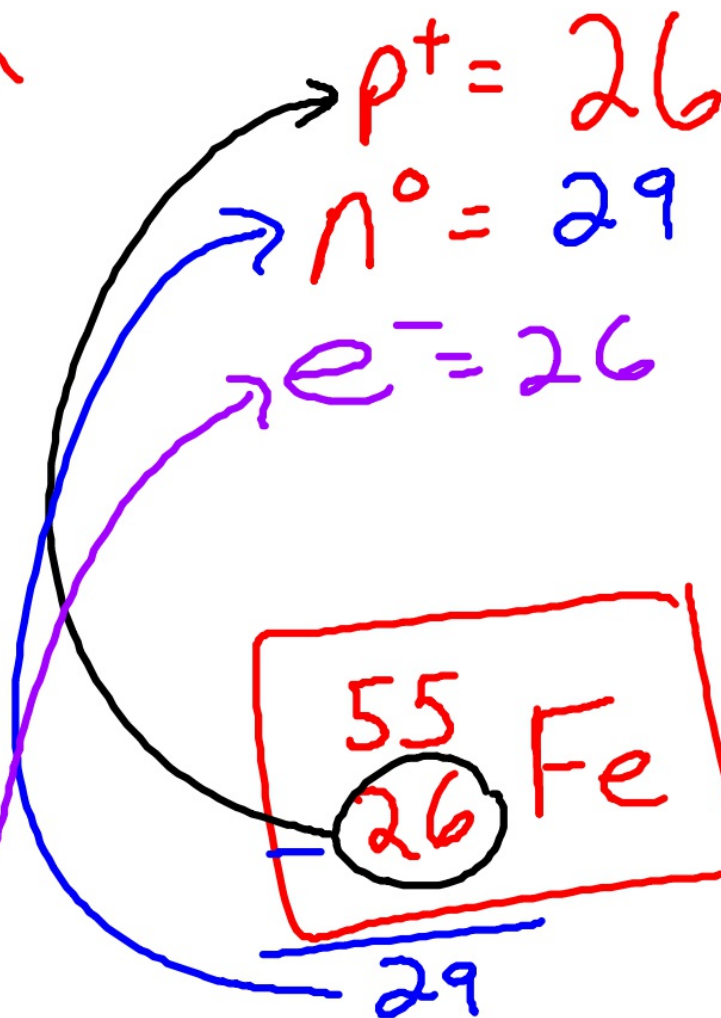
$$AN = 26 \quad \begin{array}{r} 55 \\ - p^+ \\ \hline n^0 \end{array}$$

$$Charge = 0 =$$

$$\boxed{Charge = p^+ - e^-}$$

$$0 = 26 - e^-$$

$$26 = e^-$$

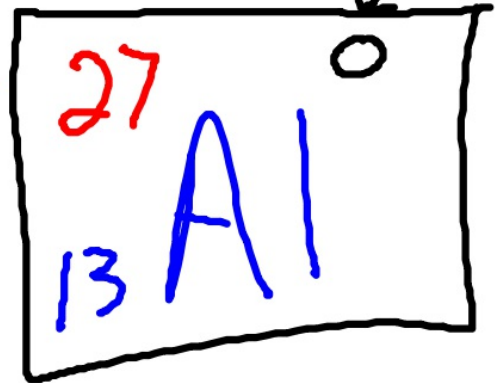


$$\begin{array}{l}
 p^+ = 13 \\
 n^0 = 14 \\
 e^- = 13
 \end{array}
 \left. \begin{array}{l} \leftarrow \text{Tells us Al} \\ + \end{array} \right\} 27$$

$$p^+ + n^0 \downarrow$$

AM  $\rightarrow$

$$\begin{array}{c}
 \text{AN} \rightarrow \\
 \uparrow \\
 \#p^+
 \end{array}$$



$p^+ - e^-$   
Charge  $\swarrow$

$p^+ = 20 = \text{Calcium}$

$n^0 = 20$

$e^- = 18$

$^{40}_{20}\text{Ca}^{+2}$   
Cation